

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-144915

(43)Date of publication of application : 24.05.1994

(51)Int.Cl.

C04B 33/28

C04B 33/13

C04B 35/56

(21)Application number : 04-293476

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(22)Date of filing : 30.10.1992

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(54) SILICON CARBIDE RAW POWDER FOR CASTING AND CASTING METHOD USING THE SAME

(57)Abstract:

PURPOSE: To produce a silicon carbide raw powder for casting capable of forming a homogeneous slurry in which the raw powder is uniformly dispersed and capable of obtaining a silicon carbide compact reduced in the variance of quality.

CONSTITUTION: At least one of the carbon black and boron as a sintering assistant is added by 1-7wt.%, preferably 2-5wt.%, to a silicon carbide powder to form a raw material mixture, and □1wt.% of a coupling agent is added to the mixture to prepare a silicon carbide powder, which is dispersed in a dispersion medium to prepare the slurry, and the slurry is cast in a casting mold to form the compact of specified shape.

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]